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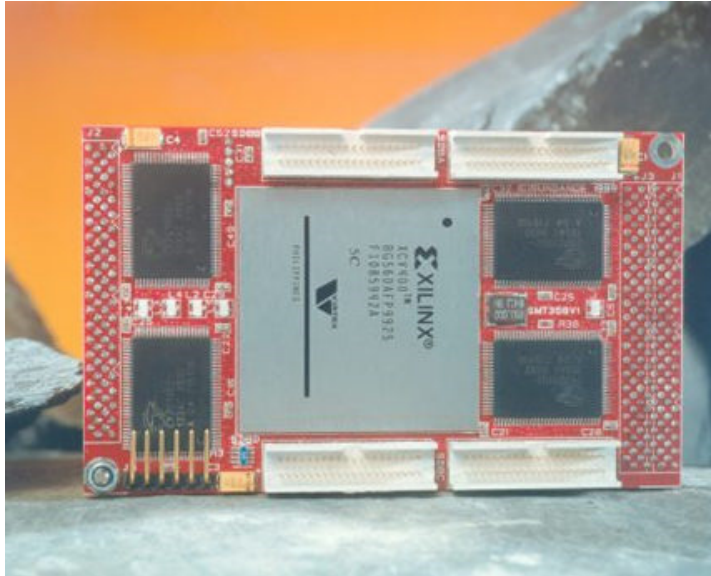
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## SMT358

Reconfigurable FPGA module



### Features

- Single width module
- [Virtex<sup>tm</sup>](#) range of FPGA devices as user programmable resource
- 1M Gates equivalent or more of software configurable resource
- 4 Banks of 1M x 18 of high speed ZBT SRAM
- Four 'C4x type Comm-ports
- TIM Global Connector
- Four 200Mbytes/s SDB Interface per DSP
- Four Sundance Datapipe Links up to 100Mbytes/s
- 4 Status LEDs
- LVDS Interface and memory expansion options
- JTAG Diagnostics Port
- TIM Standard compatible
- 12 months warranty

### Benefits

- Simple prototyping for hardware solutions to typical DSP algorithms
- Scalable and flexible system configuration
- Higher performance than conventional DSPs
- Expansion of memory or I/O interfaces using mezzanine cards
- VHDL Source to module interfaces available

### Applications

- Prototyping platform for ASIC development
- Data acquisition front end processor
- Multi channel telecommunication systems
- Adaptive high performance control systems

## Software Support

- [3L Diamond RTOS](#)
  - Sample Source Code
  - [SMT6358 VHDL Source for Interfaces](#)
- 

## Ordering Information

Part Number	Description
SMT358-400-4	- DSP Module, XCV400 FPGA; 4MB ZBT SRAM; Sundance Digital Bus interface
SMT358-400-8	- DSP Module, XCV400 FPGA; 8MB ZBT SRAM; Sundance Digital Bus interface
SMT358-1000-4	- DSP Module, XCV1000 FPGA; 4MB ZBT SRAM; Sundance Digital Bus interface
SMT358-1000-8	- DSP Module, XCV1000 FPGA; 8MB ZBT SRAM; Sundance Digital Bus interface
<a href="#">SMT510-SDB</a>	- Four Sundance Digital Bus cables
<a href="#">SMT6358</a>	- Full VHDL Source files



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